

CLEVELAND AREA 99-4A USERS GROUPS

NOVEMBER

NEWSLETTER

1985

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CHIPS TIPS

CHANGING THE CURSOR IN BASIC IN THE IMMEDIATE MODE

Hello, Boys & Girls, & welcome to my neighborhood. Today's address is 1008. By putting different numbers into this address & his neighbors, we can change the shape of Mr. Cursor. First, lets call Mr. cursor out. With your Editor/Assembler or Mini Memory, enter basic & there he is. He dosen't look all that happy, does he? Now lets call Mr. Trolly to cheer him up. Type in this command:

CALL POKEY(1008,126,129,165,129,165,153,129,126)

See Boys & Girls, He's happy now!

Here are some other designs you might like to try:

Starburst: 153,66,36,129,129,36,66,153

Underline: 0,0,0,0,0,0,0,254

Note: changing the cursor may result in the crashing of a Program in memory.

JAMES ZBIEGIEN

If you have any hints, suggestions, or comments, you can give me a call at 238-3971. Better yet, if you have any questions or are confused about anything, call me & I could have the answer printed in the future. I'm not saying that I know all of the answers, but chances are that I could find someone who could answer your question.

Rich Polivka
RICH POLIVKA

EXECUTIVE NOTES -- TI CHIPS
OCTOBER 1985

Hope everyone had a terrific summer and is looking forward to fall with its spectacular colored leaves. Our September meeting was a very spectacular one.

Rich Polevka gave a presentation on the use of Modems. I was surprised to hear of the many services available through Bulletin Boards and other services such as stocks, magazines and railroading. Rich has a list of Bulletin Boards if anyone needs information regarding this.

Tom Thalner of Edu-Comp advised us about new products from CorComp, the Clock/calendar and the Triple Tech Card. He also demonstrated the Explorer disc. You can actually see a program running. It has a search function, looks really great for editing programs and also has speed control among many other features.

Steve Latza brought a Cleaning Kit for us to see. This Kit included everything needed to clean all your computer equipment: anti-static fluids, discs and printer head cleaner, lint-free cloths, platen cleaner and different cleaning solutions, just to mention a few. It also included an instruction booklet.

We thank all who helped to make our meeting great. Our Library Committee is still looking for someone to help with the Library. Just think! All the programs available at your fingertips! The advantages are great. Contact Barbara Hagele at 234-3282 and she can let you know what is involved.

Hope to see you all at the next meeting on:

October 19, 1985
North Royalton Public Library
10:00 AM

Jan Fedor, Secretary

(Ed.note: We are sorry that this is being published late.)

EXECUTIVE NOTES - SOLON

NOVEMBER

Our topic for the month of September was relative file processing, as demonstrated through a sample program put together by Walt Ryder. Walt showed us how an assembly program linked to BASIC could sort and search for specific disk files. Thanks to Walt for the interesting and informative presentation. Our topic for November will cover some of the versitilities of TI WRITER, as presented by Frank Jenkins. At this time, I'm still looking for a topic for December. (Any volunteers?)

At the last meeting, we discussed the possibility of reinstituting a fee for copying disk programs. With the purchase of our own disk drive, the policy of charging for this service was suspended. It was the consensus of the members present that copying should remain a free service, and if any repairs should have to be performed on the disk drive, the funds needed will be taken from the treasury. This fee was originally used to pay for wear and tear on personally owned equipment used for copying materials.

Frank Jenkins reported that the number of newsletters on our bulk mailing list is rapidly dwindling. In order to maintain the minimum amount required to keep our bulk status, we are going to have to look for other user's groups or organizations to add to the mailing list. Ron Duffy said that he will check through COMPUSERVE for any user's groups that may be interested in getting our newsletters. The cutoff for bulk mailing is 200 pieces and we are close to that number right now. However, if we lose more memberships, (which is an unfortunate trend at this time), we may be put in a bind as far as our bulk status goes.

You have probably noticed, as I have, that some of the mail order catalogs are advertising TI software for really bargain prices. I get the feeling that this is a good time to invest in software if the finances allow for it. It may be that most of what is currently available is going to disappear in the near future. I just purchased LOGO II for my kids for \$19.95, and I'm pretty sure that it won't be found again at that price, or any other, in a short while.

See you November 9, Solon Public Library
Steve Weinkamer, President

EXECUTIVE NOTES--NORTHCOAST

Last months meeting was arranged by our Vice President Dan Davenport and featured a demonstration of ACORN 99 by its author Charles L. Davis of Oaktree Systems. This program was reviewed by MICROPENDIUM in their July issue and is the database for our machine. It is available from Edu-Comp or Oaktree Systems for \$49.95. The turn-out was great but not as many attended from other groups as desired, hopefully this will change with other subject matter. Great job, Dan and Chuck! Also used in this presentation was a new "Y" video cable which allows use of a TV by the demonstrator and two monitors for the audience.

Deals on new and used equipment abound. At the meeting I mentioned the limited availability of an inexpensive TI compatible 4 color printer/plotter--great for graphing mathematical equations. Another member bought two double sided half height drives for about the price of one from an ad in MICROPENDIUM.

The bulletin board is now running TECHIE as demonstrated by Larry Priokockis. The club bought the required smart modem and traded the old modem for a double sided drive. This additional drive when on line will allow us to run the latest version which allows up and downloading of programs.

The library has been transferred to floppies and will be available for copying only before the meetings (12:15-1:15). Deanna is busy cataloging the Amnion disks--we have received the second batch of these disks (another 40). Deanna is also acting as assistant newsletter editor and is gathering tips from others for use in our publication. She is sorting all the articles by subject and has started a club notebook. She has suggested that we consider reprinting these and making them available inexpensively to the membership. Sounds like a great idea!

The big news is the TI-Faire in Chicago on November 2nd. From the list of attendees that MICROPENDIUM published--all the biggies in the TI world will be there and the long awaited new computer will debut finally! Tom and Judy Thainer of Edu-Comp will attend and promise a report for our newsletter. We hope to have a brief slide show of this event at our next meeting November 16th.

We also are planning demonstrations of graphics programs: Paint-N-Print by Navarone, Graphics Package by Norton, and possibly Graphx from Australia.

Many members are upgrading their systems with recently introduced products. I ask these members to please arrange to informally show it at the end of the meeting for those contemplating purchase of the same.

Lastly, it is almost that time for election of officers for the coming year. If you or someone you know can serve, please contact me or complete the nomination form found elsewhere in this newsletter.

Ken Gladyszewski
President

Some Editorial Comments

A TERRIBLE LOSS!

We were saddened to recently learn of the death of one of our most valued members, "Someone Else". "Someone Else's" passing created a vacancy that will be difficult to fill. "Someone" had been with us almost since our club was formed, and during that time, "Someone Else" did far more than a normal person's share of the work. Whenever leadership was mentioned, this wonderful person was looked to for inspiration, as well as, results. Too often it was said, "Someone Else" can work with that group or committee. Whenever there was a job to be done or a meeting to attend, one name was on everybody's list, let "Someone Else" do it! "Someone Else" was a wonderful person, sometimes appearing superhuman, but a person can only do so much. Were the truth known, everyone expected too much from "Someone Else". Now "Someone Else" is gone, and we wonder what we are going to do. "Someone Else" left a wonderful example to follow, but who is going to follow it? Who is going to do the things that "Someone Else" did?

The previous paragraph was copied from the CIN-DAY USER GROUP newsletter, who took it from the NEW HORIZONS USERS GROUP newsletter, who repeated it from the PORTLAND USER'S GROUP newsletter. Thanks to all of them!!

Now is the time to share in "Someone Else's" glory. A lot of people can make the load lighter for everyone. Just yesterday my wife asked me why I was doing the Newsletter. What could I tell her? That "Nobody Else" would do it? Or that "Everybody Else" was too busy to help? Doesn't "Anybody Else" want a Newsletter?

That reminds me that now is the time to think about Officers and Librarians for next year. Are there any other volunteers willing to share the load? I, for one, will continue to help in any way I can, because I know the only help I can get for my TI is in the USERS GROUPS. Are we going to sit back and let them die? That would be a terrible waste of resources. Call your President NOW and volunteer your services.

I'm sorry for sounding so harsh, but I felt it needed to be said. I welcome your comments.

Maybe we can start a USER HELP COLUMN. What are your TI Problems? If you ask us, maybe another member of our groups, or even another group, will help with a solution. Let's give it a try.

Is your name and address correct? If not, call Frank Jenkins at 283-8526 and have it corrected.

P.S. We miss the news from Golden Crescent.

Frank Jenkins
Temporary Editor

Guest Columnist

HOW TO PRINT DOUBLE COLUMN TEXT

Have you ever wished you could print text using compressed print, thereby getting more on a page, but found reading 132 or 136 columns across too hard? Newspapers use several columns - why not us? What follows is a method of creating double columned text, right and left justified. Equipment required is II-Writer and IBasic. The underscore and overstrike capabilities of the II-Writer can be used, as well as any special codes that your printer uses. (See below for special instructions for the latter.)

First of all, of course, create your text! If you want to see how many lines there will be in the end, you can use the appropriate margins in the Editor, but this isn't necessary. Next add the following line, before the first line:

```
.LN 0;RM 56;FI;AD;IN +5;PL 200
```

Be sure to end the line with a carriage return (Word Wrap Mode). The right margin can be whatever you want, but you should be sure to leave enough room for the margins of your final printout (i.e. two lines, left margin, right margin, and space between should be less than or equal to the maximum column capacity of your printer in condensed mode). Note that the width of the printed line will be one greater than the RM since the LN is 0. PL is a 'page length' and should be more than the maximum number of lines that will be put out. Indenting of course is optional.

Now save your file using SF and go to the Formatter. As the output device DO NOT use your printer, but give the name of a disk file. I usually add a '1' to the name of the original file. When the Formatter is finished, go back to the Editor and load the newly created file. At the top you will see three little LF's representing the first three blank lines the Formatter puts on each page. Unless you particularly want them, delete them with FCTN 3. If you don't, the tops of the first two columns won't line up. Now scan down the file until you find the end of your text. It will be followed by a whole string of LF's. Delete from here to the end (FCTN 9, 0 <ENTER>, number of first line to be deleted, comma, E, <ENTER>). Note how all the right margins are lined up. Now save this file, using the PF function, not SF. You may use the same filename if you wish, since the one you modified is no longer necessary, but to be safe you should probably use a third name.

Now you will need to go to IBasic and run the following program.

```
100 CALL CLEAR ::DIM A$(200),C(200)::CR$=CHR$(13)::LF$=CHR$(10)::FF$=CHR$(12)::TS=CHR$(9)::LT$=CR$&TS::RT$=LT$&TS
```

```
110 DISPLAY AT(9,1):"INPUT FILE?":"DSK": "PRINTER NAME?"
:"PID" :: ACCEPT AT(10,4)SIZE(12)BEEP:FS :: OPEN #1:"DSK"
&FS,INPUT :: ACCEPT AT(13,1)SIZE(-28)BEEP:PS
120 OPEN #2:PS&".CR"
130 DISPLAY AT(6,1)ERASE ALL:"IN THE NEXT 3 INPUTS, BE SURE
THAT TWO TIMES WIDTH LEFT MARGIN + SPACE BETWEEN DOES NOT
EXCEED YOUR PRINTER'S CAPACITY"
140 DISPLAY AT(12,1):"HOW MANY SPACES LEFT MARGIN?6": "H
OW MANY BETWEEN COLUMNS? 4": "WIDTH OF COLUMN? 57": "L
INES PER COLUMN? 55"
150 ACCEPT AT(13,1)SIZE(-2)BEEP:LEFT :: ACCEPT AT(16,1)SI
ZE(-2)BEEP:BETH :: ACCEPT AT(18,18)SIZE(-2)BEEP:WIDTH ::
ACCEPT AT(20,19)SIZE(-2)BEEP:CL
160 LEFT=LEFT+1 :: RIGHT=LEFT+BETH+WIDTH
170 PRINT #2:CHR$(15);CHR$(27);"D";CHR$(LEFT);CHR$(RIGHT)
;CHR$(0);SET CONDENSED PRINT AND TABS
180 IF EOF(1)THEN CLOSE #1::CLOSE #2:: STOP ELSE X,Y,X1=0
190 X=X+1 :: LINPUT #1:AS(X):: B=POS(AS(X),LF$,1):: IF B
THEN AS(X)=SEG$(AS(X),1,B-1):: Y=Y+1 :: C(X)=0 ELSE C(X)=1
200 PRINT X;Y
210 IF X1 THEN 230
220 IF Y=CL THEN X1=X
230 IF Y<2*CL AND EOF(1)=0 THEN 190
240 IF Y<2*CL THEN CLOSE #1 :: GOTO 260
250 GOSUB 300 :: GOTO 180
260 EX=0 :: FOR Z=1 TO X :: EX=EX+C(Z):: IF Z-EX=INT((Y+1
)/2)THEN X1=Z :: GOTO 80
270 NEXT Z
280 GOSUB 300
290 CLOSE #2 :: STOP
300 X=0 :: Y=11
310 X=X+1 :: PRINT #2:TS;AS(X):: IF C(X)THEN PRINT #2:CR$
:: GOTO 310
320 Y=Y+1 :: PRINT #2:TS;AS(Y):: IF C(Y)THEN PRINT #2:LT$
:: GOTO 320
330 PRINT #2:LF$ :: IF X<X1 THEN 310 ELSE PRINT #2:FF$ ::
RETURN
```

A brief explanation of the program. 100 sets up an array to hold print lines in memory while the program figures out what to do with them, and sets up variables so I don't have to write so much. 110-150 displays messages and accepts answers with defaults. You can change these to ones of your choosing and thereby mostly press enter each time you use the program. 170 sends the code for condensed print to the printer, and sets up the tabs. Check this out with your printer manual, in case the code is different. If you don't have tabs at all, then see the changes below - the computer can do it too! Now comes the meat of the program. 190 inputs each line and numbers it. B tells the computer whether there is a line feed coming and if so, eliminates it, and increases Y which is counting the print lines. If there is no line feed then C(X) keeps track of which ones. 200 isn't necessary at all - just keeps your interest on

the screen! 220 holds the place for the top of the 2nd column, and 210 makes sure this only happens once. 230 check if there is more to do, either at all, or for this page, and 240 makes sure the columns are both full (if not 240 performs a recount!). The subroutine at 300 actually does all the printing!

If your printer has no tab settings whatsoever, then make the following substitutions:

```
310 I=I+1::PRINT @2:TAB(LEFT);A$(I);CR$ ::IF C(I) THEN
310
```

```
320 Y=Y+1::PRINT @2:TAB(LEFT+RIGHT);A$(Y) ;CR$ :: IF C(Y)
THEN 290
```

and eliminate everything in 170 that follows CHR\$(15).

If you are using control codes to the printer

embedded in text, use the following method to make the margins line up. Transliterate a single unused character to the code you want and add a 32, because the formatter will think this is a character to be printed and count it, but the printer won't save! (e.g. I used the open and close brace to italicize in this text - the proper command, on a separate line at the beginning of the file, would be .TL 123:27,4,32 <carriage return>) Now the only thing you have to check in the formatted file is whether this occurs at the beginning of a line. If so, eliminate the space at the beginning and add one somewhere else on the line (in FIXED MODE of course).

I hope you enjoy using this program. It was fun to write, but terrible to get the bugs out!!!

Tom Freeman

FOR SALE!

HARDWARE

TI-99/4A Computer
P.E. Box
RB-232 Interface Card
Speech Synthesizer
Joysticks
Cassette Cable

SOFTWARE

Extended Basic
Personal Record Keeping
Super Sketch (Video Graphics)
Typewriter (Word Processor)
Weight Control & Nutrition

Early Learning Fun, Early Reading Fun, Addition and Subtraction I, Alien Addition, Minus Mission, Dragon Mix

Hustle, Tombstone City, Zero Zap, Connect Four, Yahtzee, Alpiner, Amazing, TI Invaders, Car Wars, The Attack, Sneggit, Parsec

TI-99/4A 51 Fun & Educational Programs (cass & ran)

PRICE: \$200.00

Contact: Joanne or Jack at 234-3270

We wish to give credit to the PUGET SOUND 99'ERS who printed this All Purpose Handy Dandy Reference sheet in their APRIL 85 Newsletter.

QUICK REFERENCE SHEET									
COLOR CODES				PATTERN IDENTIFIER		ERROR CODES			
COLOR	VALUE			CONVERSION TABLE		FIRST	COMMAND OR STATEMENT		
TRANSPARENT	1			0	0	0	1	OPEN	
BLACK	2			0	0	1	2	CLOSE	
RED	3			0	0	1	3	INPUT	
LT. GREEN	4			0	0	1	4	PRINT	
DARK BLUE	5			0	1	0	5	RESTORE	
LT. BLUE	6			0	1	0	6	OLD	
DK. RED	7			0	1	1	7	SAVE	
CYAN	8			0	1	1	8	DELETE	
RED. RED	9			1	0	0	9	EOF	
LT. RED	10			1	0	0		SECOND	TYPE OF ERROR
DK. YELLOW	11			1	0	1	0	1	DRIVE NOT FOUND
LT. YELLOW	12			1	0	1	1	2	DEVICE OR FILE WRITE
DK. GREEN	13			1	1	0	0	3	PROTECTED
MAGENTA	14			1	1	0	1	4	BAD OPEN ATTRIBUTE
GRAY	15			1	1	1	0	5	ILLEGAL OPERATION
WHITE	16			1	1	1	1	6	OUT OF SPACE
								7	ATTEMPT TO READ PAST
								8	END OF FILE
								9	DEVICE ERROR or
								10	HARDWARE ERROR
								11	FILE ERROR - File or
								12	disk does not exist

ASCII CODES									
CODE	CODE	CODE	CODE	CODE	CODE	CODE	CODE	CODE	CODE
30	48	66	84	102	120	138	156	174	192
31	49	67	85	103	121	139	157	175	193
32	50	68	86	104	122	140	158	176	194
33	51	69	87	105	123	141	159	177	195
34	52	70	88	106	124	142	160	178	196
35	53	71	89	107	125	143	161	179	197
36	54	72	90	108	126	144	162	180	198
37	55	73	91	109	127	145	163	181	199
38	56	74	92	110	128	146	164	182	200
39	57	75	93	111	129	147	165	183	201
40	58	76	94	112	130	148	166	184	202
41	59	77	95	113	131	149	167	185	203
42	60	78	96	114	132	150	168	186	204
43	61	79	97	115	133	151	169	187	205
44	62	80	98	116	134	152	170	188	206
45	63	81	99	117	135	153	171	189	207
46	64	82	100	118	136	154	172	190	208
47	65	83	101	119	137	155	173	191	209
48	66	84	102	120	138	156	174	192	210
49	67	85	103	121	139	157	175	193	211
50	68	86	104	122	140	158	176	194	212
51	69	87	105	123	141	159	177	195	213
52	70	88	106	124	142	160	178	196	214
53	71	89	107	125	143	161	179	197	215
54	72	90	108	126	144	162	180	198	216
55	73	91	109	127	145	163	181	199	217
56	74	92	110	128	146	164	182	200	218
57	75	93	111	129	147	165	183	201	219
58	76	94	112	130	148	166	184	202	220
59	77	95	113	131	149	167	185	203	221
60	78	96	114	132	150	168	186	204	222
61	79	97	115	133	151	169	187	205	223
62	80	98	116	134	152	170	188	206	224
63	81	99	117	135	153	171	189	207	225
64	82	100	118	136	154	172	190	208	226
65	83	101	119	137	155	173	191	209	227
66	84	102	120	138	156	174	192	210	228
67	85	103	121	139	157	175	193	211	229
68	86	104	122	140	158	176	194	212	230
69	87	105	123	141	159	177	195	213	231
70	88	106	124	142	160	178	196	214	232
71	89	107	125	143	161	179	197	215	233
72	90	108	126	144	162	180	198	216	234
73	91	109	127	145	163	181	199	217	235
74	92	110	128	146	164	182	200	218	236
75	93	111	129	147	165	183	201	219	237
76	94	112	130	148	166	184	202	220	238
77	95	113	131	149	167	185	203	221	239
78	96	114	132	150	168	186	204	222	240
79	97	115	133	151	169	187	205	223	241
80	98	116	134	152	170	188	206	224	242
81	99	117	135	153	171	189	207	225	243
82	100	118	136	154	172	190	208	226	244
83	101	119	137	155	173	191	209	227	245
84	102	120	138	156	174	192	210	228	246
85	103	121	139	157	175	193	211	229	247
86	104	122	140	158	176	194	212	230	248
87	105	123	141	159	177	195	213	231	249
88	106	124	142	160	178	196	214	232	250
89	107	125	143	161	179	197	215	233	251
90	108	126	144	162	180	198	216	234	252
91	109	127	145	163	181	199	217	235	253
92	110	128	146	164	182	200	218	236	254
93	111	129	147	165	183	201	219	237	255
94	112	130	148	166	184	202	220	238	256
95	113	131	149	167	185	203	221	239	257
96	114	132	150	168	186	204	222	240	258
97	115	133	151	169	187	205	223	241	259
98	116	134	152	170	188	206	224	242	260
99	117	135	153	171	189	207	225	243	261
100	118	136	154	172	190	208	226	244	262
101	119	137	155	173	191	209	227	245	263
102	120	138	156	174	192	210	228	246	264
103	121	139	157	175	193	211	229	247	265
104	122	140	158	176	194	212	230	248	266
105	123	141	159	177	195	213	231	249	267
106	124	142	160	178	196	214	232	250	268
107	125	143	161	179	197	215	233	251	269
108	126	144	162	180	198	216	234	252	270
109	127	145	163	181	199	217	235	253	271
110	128	146	164	182	200	218	236	254	272
111	129	147	165	183	201	219	237	255	273
112	130	148	166	184	202	220	238	256	274
113	131	149	167	185	203	221	239	257	275
114	132	150	168	186	204	222	240	258	276
115	133	151	169	187	205	223	241	259	277
116	134	152	170	188	206	224	242	260	278
117	135	153	171	189	207	225	243	261	279
118	136	154	172						

Using "PRINT USING"
with your printer
By Richard Roberts
TI3532

One of the more obscure statements available with TI Extended BASIC is one called PRINT USING. Even more obscure is the fact that this statement can be used to format variables and constants that will be dumped to your printer. The Extended BASIC manual, on page 150, shows several examples of how PRINT USING can be used to format data for screen display, but nary a word of how to do the same with open files. It can be done, and is much more powerful than you may realize.

Any discussion of PRINT USING will require an understanding of the IMAGE statement, so if you are not familiar with it, you better brush up on it first. The PRINT USING statement uses IMAGE in one of two ways, either with a string expression, or a line number reference. I prefer the latter, as it allows for more flexibility, but since these different methods are explained in the manual, I will limit this to a few simple examples that are not shown in the manual.

```
100 TCOST=19.55
110 IMAGE ##.##
120 OPEN #1:"PIO"
130 PRINT #1,USING 110:TCOST
```

Running this sample program will effectively show how the PRINT USING statement will work with an open file. Of course, there are many other variations of IMAGE that can be used, so experiment with them and watch how it performs when line 130 dumps it to the printer. Shown below are a few more examples for use with an open file.

```
110 IMAGE "##.##      ##.##"
130 PRINT #1,USING 110:COST1,COST2
```

This IMAGE statement will allow you to print two (or more) variables at a pre-determined spot on the same line. The length of the string expression in the IMAGE statement can be as long as you wish, up to the limit of an Extended BASIC line.

```
110 IMAGE "#####      ##.##"
130 PRINT #1,USING 110:"TOTAL COST",
TCOST
```

This version shows how you can format the printed line for string data as well as numerical data. A string variable could be used in place of the string constant, as below.

```
105 AS="TOTAL COST"
110 IMAGE "#####      ##.##"
130 PRINT #1,USING 110:AS,TCOST
```

It is also possible to place the IMAGE statement inside the PRINT USING statement, as shown below. First, delete line 110.

```
130 PRINT #1,USING "##.##":TCOST
```

or

```
130 PRINT #1,USING "#####      ##.##"
:AS,TCOST
```

A few other points to remember include the fact that IMAGE and PRINT USING can be used to round off calculated variables. A single string expression such as "#####.##" will round off and decimal align numbers as small as number at any designated location. This function could save many hours of algorithm development for accomplishing the same thing. So, in the long run, the PRINT USING statement is one that any programmer should be very familiar with, and use as much as possible.

RICHARD ROBERTS IS PRESIDENT OF THE DALLAS TI99/4A USERS GROUP. SOFTMAIL WELCOMES TUTORIALS OR OTHER ITEMS OF INTEREST THAT USERS MAY WISH TO SHARE WITH OTHERS. THROUGH EFFORTS SUCH AS RICHARDS WE MAY WELL ALL BE ABLE TO ENJOY AND BENEFIT FROM OUR ORPHAN AS LONG AS THOSE POOR SOULS LEFT HANGING WITH BANANA 9000 JUNIOR! MAYBE EVEN LONGER!

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No. NJ 99'ers User Group

May 1985 Newsletter

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